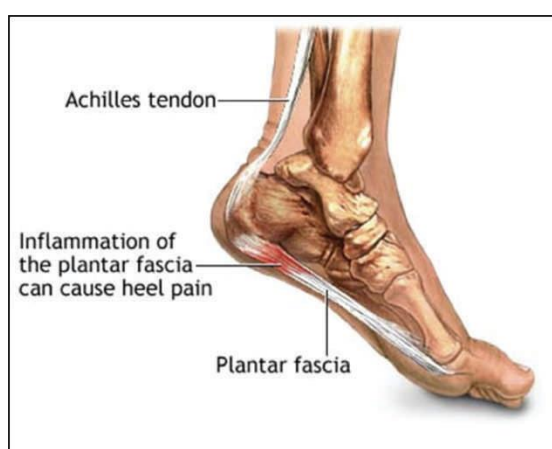


Plantar Fascia Pain

This leaflet provides information about plantar fasciopathy (plantar fascia pain). If you have any further questions or concerns, please speak to a clinician.

What is plantar fasciopathy?

The plantar fascia is a strong connective tissue that runs from the heel to the toes and supports the arch. In some people the attachment of this ligament to the heel bone can become painful. Often there is tenderness beneath the heel which can radiate into the arch of the foot, typically with stiffness and discomfort when rising in the morning or after rest / inactivity.



What are the signs and symptoms?

- Heel pain
- Pain on walking
- Worse in the morning or after a period of rest.

What causes plantar fasciopathy?

Common causes may include:

- Change or increase in activity
- Biomechanical factors – flat feet, high arch feet
- Prolonged use of flat or unsupportive footwear
- Tight calf muscles
- Obesity or recent weight gain
- Recent injury
- Standing for long periods on hard surfaces
- Sometimes it can be associated with inflammatory conditions.

Do I need any tests to confirm the diagnosis?

There are no specific tests for plantar fasciopathy. A healthcare professional can help confirm the diagnosis by taking a thorough history.

What treatments are available?

Exercise has been shown to be the most effective treatment for this condition. Some useful exercises are shown below. However, additional treatments you may have heard of include:

Taping

Taping can be an effective temporary treatment for plantar fasciopathy and can help indicate if orthotics could be suitable.

Cortisone (corticosteroid) injection

Corticosteroid injections are not recommended for plantar fasciopathy. They can have significant side-effects and there is some evidence that they can contribute to ligament rupture.

Extracorporeal Shockwave Therapy

Extracorporeal Shockwave Therapy involves directing energy pulses at the affected body part. It is not fully understood how this works, although it is thought that it may help to stimulate the body's natural tissue repair process. There is limited evidence for its use but some people find it beneficial if they have tried everything else. It is important to complement the treatment with exercise.

Is there anything I can do to help myself?

Often the symptoms resolve without intervention. Alternatively, you can try:

Activity modification

The initial treatment should be to reduce the load on the heel. You can do this by pacing your activity levels or reducing your walking mileage. You should also try to avoid barefoot walking or standing on very hard surfaces. If this is unavoidable then wear trainers or well cushioned shoes - a cushioned heel lift can also help to reduce your symptoms.

Cold Therapy

To help with pain you can apply cold therapy to the sore area for 10 minutes up to three or four times a day. A good way of doing this is with a bag of frozen peas in a tea towel. Another approach is to keep a tin (e.g. a baked beans tin) in your fridge. Place your foot on the can and roll it forwards and backwards.

Shoes

Appropriate footwear should be supportive and cushioned. This means a substantial sole that is not too flexible or bendy. Activewear trainers or walking shoes are recommended.

Orthotics

Orthotics are often used to support the foot and relieve or reduce these forces.

Stretching and exercise

Exercise is very important in the treatment of plantar fasciopathy and to help to reduce the likelihood of reoccurrence. Try these simple exercises that you can do at home. If they don't work, a physiotherapist will be able to guide your rehabilitation further.

Try these exercises below to help with your symptoms:



1.

Place the toes of your affected leg up against a wall. Keeping your heel on the floor and your knee slightly bent, push your knee toward the wall. You should feel a stretch across the sole of your foot and underneath your toes. Hold the stretch for **15 seconds** and repeat **four times, twice a day**. Complete this **every day**.



2.

Sit with your affected leg out in front of you. Loop a strap (e.g. belt or rolled up towel) around the ball of your foot. Holding the ends of the strap in each hand, pull your toes towards you. Hold the stretch for **15 seconds** and repeat **four times, twice a day**. Complete this **every day**.



3.

Roll up a towel and place it on a step, then place your toes on the towel so that they are extended with your heels over the edge of the step. Slowly raise your heels as high as possible. Lower your heels down in a slow and controlled manner to the level of the step, then repeat. If this is too challenging, try completing on a flat surface. If you find this easy, try completing on one leg. Complete this **every other day**. Start with **10 repetitions, twice a day**, building up to fifteen repetitions five times a day.

Useful sources of information

The Chartered Society of Physiotherapy
<https://www.csp.org.uk/conditions/foot-pain>

Contact us

If you have any questions or concerns about this, please contact the MSK physiotherapy team on mskphysioenquiries@stgeorges.nhs.uk.

For more information leaflets on conditions, procedures, treatments, and services offered at our hospitals, please visit www.stgeorges.nhs.uk

Additional services

Patient Advice and Liaison Service (PALS)

PALS can offer you on-the-spot advice and information when you have comments or concerns about our services or the care you have received. You can visit the PALS office between 9.30am and 4.30pm, Monday to Friday in the main corridor between Grosvenor and Lanesborough wings (near the lift foyer).

Tel: 020 8725 2453 **Email:** pals@stgeorges.nhs.uk

NHS Choices

NHS Choices provides online information and guidance on all aspects of health and healthcare, to help you make decisions about your health.

Web: www.nhs.uk

NHS 111

You can call 111 when you need medical help fast but it's not a 999 emergency. NHS 111 is available 24 hours a day, 365 days a year. Calls are free from landlines and mobile phones.

Tel: 111

AccessAble

You can download accessibility guides for all our services by searching 'St George's Hospital' on the AccessAble website (www.accessable.co.uk). The guides are designed to ensure everyone – including those with accessibility needs – can access our hospital and community sites with confidence.



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